

Registration number: W6M22003-19764-C-1

FCC ID: YDM-CA1902

## 3.2 Equivalent isotropic radiated power (EIRP)

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain

WLAN

EIRP = 8.12 dBm + ( 1.12 dBi [antenna gain claimed by manufacturer]) = 9.24 dBm = 8.39 mW

BLE

EIRP = 3.19 dBm + ( 0 dBi [antenna gain claimed by manufacturer]) = 3.19 dBm = 2.08 mW

## 3.3 Exemption Limits for Routine Evaluation according to FCC KDB Publication

### RESULT:

Test standard : FCC KDB Publication  
447498 D01 General RF Exposure Guidance v06

According to 447498 D01 General RF Exposure Guidance v06:

SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

### 3.3.1 Exemption Limits for Routine Evaluation – SAR Evaluation

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table .

Table: SAR evaluation — Exemption limits for routine evaluation based on frequency and separation distance

WLAN

| MHz  | 5     | 10    | 15    | 20    | 25    | mm                                      |
|------|-------|-------|-------|-------|-------|-----------------------------------------|
| 2412 | 10.07 | 19.21 | 29.28 | 38.41 | 48.41 | SAR Test<br>Exclusion<br>Threshold (mW) |

| MHz  | 30    | 35    | 40    | 45    | 50    | mm                                      |
|------|-------|-------|-------|-------|-------|-----------------------------------------|
| 2412 | 57.55 | 67.62 | 77.69 | 86.83 | 96.90 | SAR Test<br>Exclusion<br>Threshold (mW) |

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.

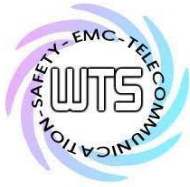
Established separation distance is 5 mm.

Operating frequency band : 2412-2462 MHz

Max. output power level at 5 mm separation distance at 2412 MHz

according to table is: 10.07 mW

The product is exempt from SAR Evaluation/Testing because the output power of 8.39 mW is below the exemption limit of 10.07 mW.



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## BLE

| MHz  | 5    | 10    | 15    | 20    | 25    | mm                                      |
|------|------|-------|-------|-------|-------|-----------------------------------------|
| 2480 | 9.95 | 18.92 | 28.87 | 37.84 | 47.79 | SAR Test<br>Exclusion<br>Threshold (mW) |

| MHz  | 30    | 35    | 40    | 45    | 50    | mm                                      |
|------|-------|-------|-------|-------|-------|-----------------------------------------|
| 2480 | 56.74 | 66.69 | 76.63 | 85.61 | 95.56 | SAR Test<br>Exclusion<br>Threshold (mW) |

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.

Established separation distance is 5 mm.

Operating frequency band : 2402-2480 MHz

Max. output power level at 5 mm separation distance at 2480 MHz

according to table is: 9.95 mW

The product is exempt from SAR Evaluation/Testing because the output power of 2.08 mW is below the exemption limit of 9.95 mW.